

Proposed Donmar Sand Mine **PUBLIC MEETING**

- ✓ To avoid echoing or feedback, all lines will be muted.
- ✓ At the end of the presentation, you will have an opportunity to ask questions
- ✓ This virtual meeting will be recorded and posted on our webpage.

Option to Call In

If you are experiencing audio problems, join the virtual meeting by phone:

Phone number: **1 864-558-7311**

Access Code: **429 077 471#**



Exits the meeting. (If you accidentally exit the meeting, you can rejoin.)



Be smart. Stay 6 feet apart.

scdhec.gov/COVID19



Stop the Spread of COVID-19



Wash
hands often



Stay home
while sick



Cover coughs
and sneezes



Clean
surfaces often

scdhec.gov/COVID19





Proposed Donmar Mine

Mine Operating Permit
Application I-002198

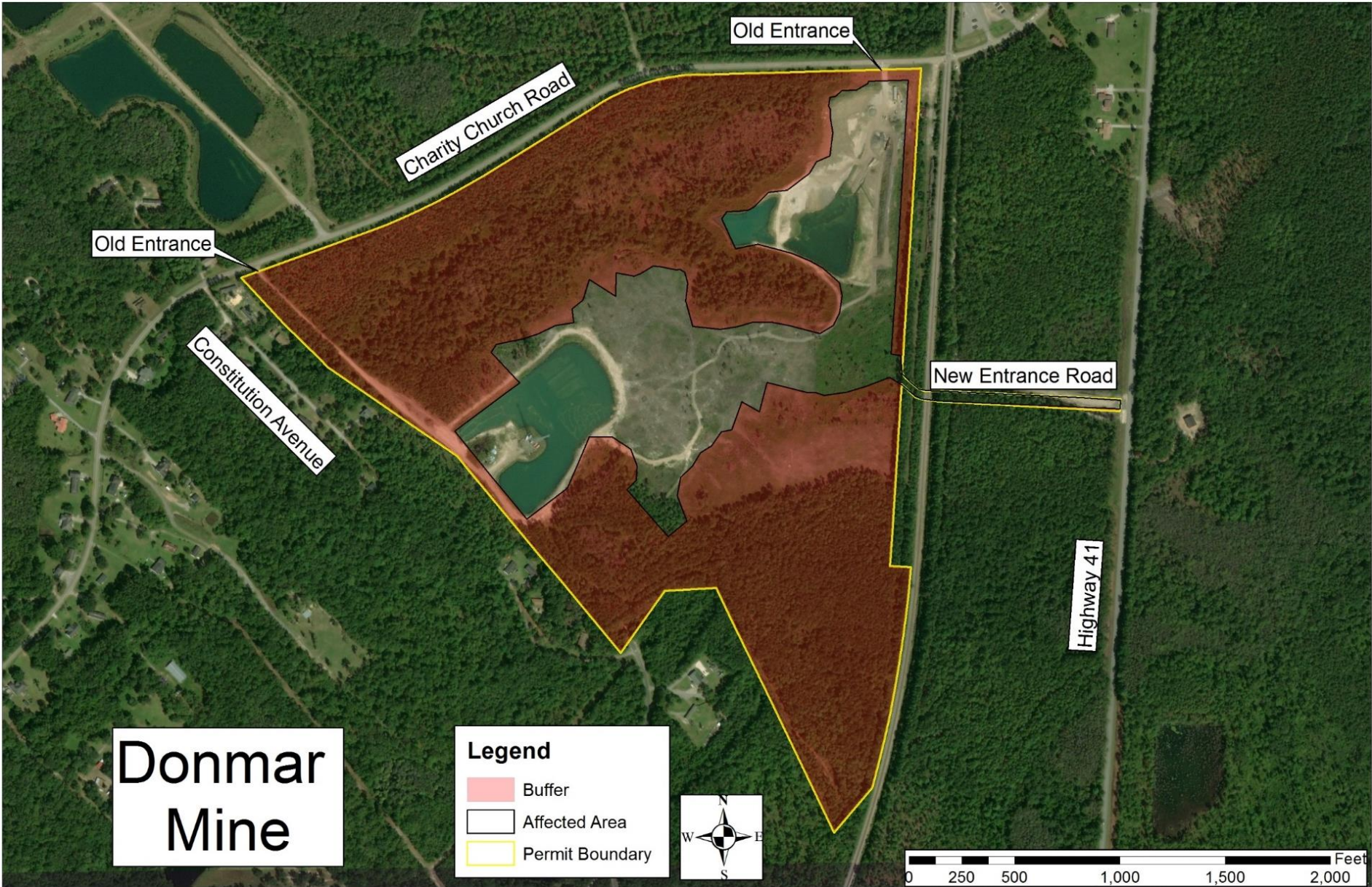
Berkeley County

PUBLIC MEETING



Meeting Agenda

- Gathering Time
- Welcome & Overview of Virtual Meeting
- Presentation: Proposed Donmar Mine
- Facilitated Discussion, Questions & Answers
- Next Steps & Adjourn



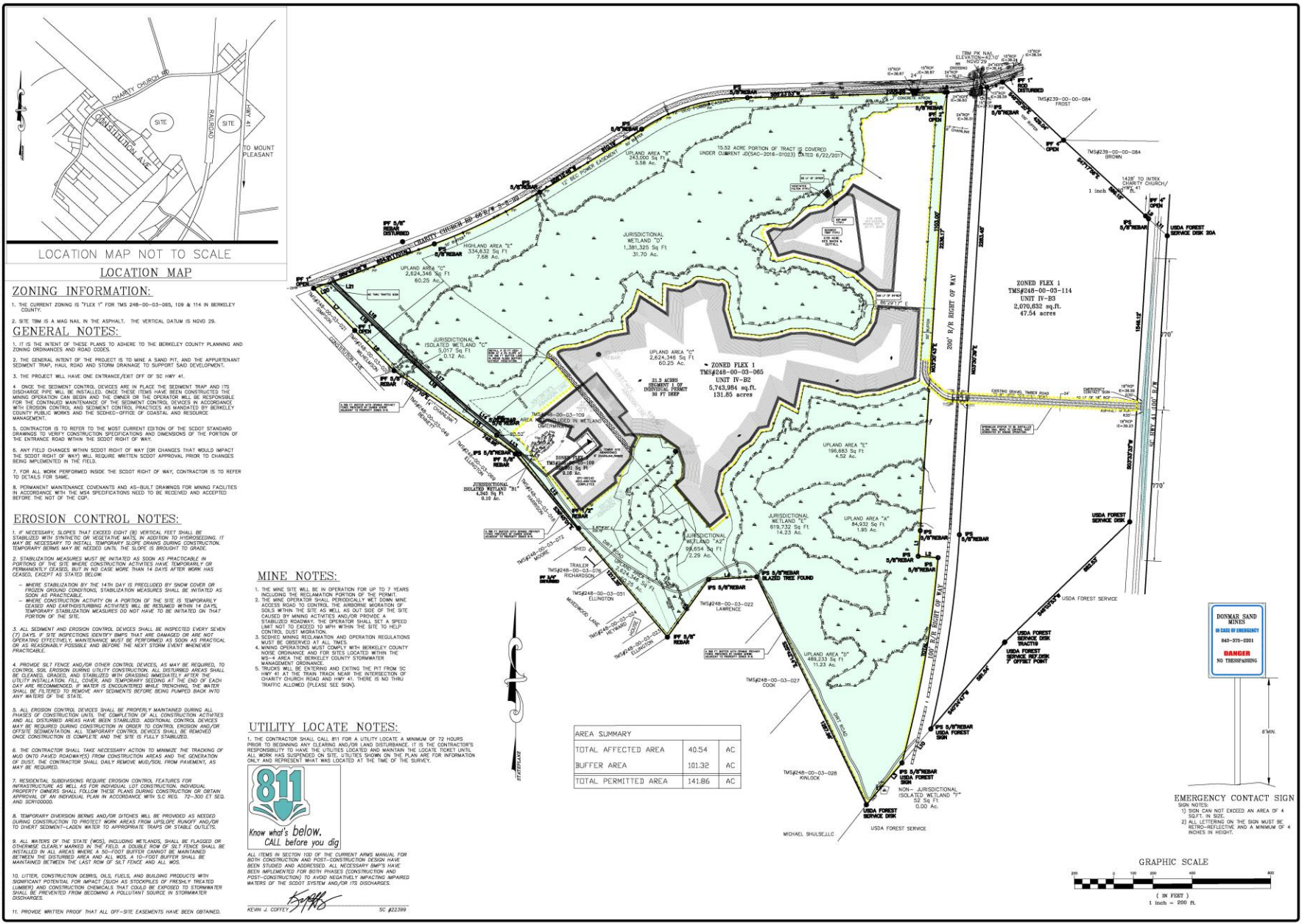
Historical Overview

- **2016-2017:** Coverage granted for two General Mine Permits (GPs) for five acres each
- **2017:** Individual Mine Permit application received
- **2017-2019:** Applicant pursued Berkeley County Board of Zoning Appeal approval
- **2020:** DHEC public noticed the Individual Mine Permit application

Proposed Permitted Area

- **Total Permitted Area**
 - 141.86 acres
- **Affected Area**
 - 40.54 acres of affected area to include:
 - 29.73 Expanded mine area inclusive of GP areas
 - 0.85 New haul road
 - 10.0 Office, parking, and stockpile area
- **Buffer Area**
 - 101.32 acres

THE DRAWINGS AND DESIGN HEREON ARE THE PROPERTY OF LOW COUNTRY LAND DEVELOPMENT CONSULTANTS AND MAY NOT BE USED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF THE ENGINEER AND ANY INFRINGEMENT WILL BE SUBJECT TO LEGAL ACTION.



LOCATION MAP NOT TO SCALE
LOCATION MAP

ZONING INFORMATION:

- 1. THE CURRENT ZONING IS "FLEX 1" FOR TMS 248-00-03-085, 109 & 114 IN BERKELEY COUNTY.
- 2. SITE TYPE IS A WAD RAIL IN THE ADJACENT. THE VERTICAL DATUM IS NGD 29.

GENERAL NOTES:

- 1. IT IS THE INTENT OF THESE PLANS TO ADHERE TO THE BERKELEY COUNTY PLANNING AND ZONING ORDINANCES AND ROAD CODES.
- 2. THE GENERAL INTENT OF THE PROJECT IS TO MINE A SAND PIT, AND THE APPURTENANT SCENT TRAIL, HILL ROAD AND STORM DRAINAGE TO SUPPORT SAID DEVELOPMENT.
- 3. THE PROJECT WILL HAVE ONE ENTRANCE/EXIT OFF OF SC HWY 41.
- 4. ONCE THE SEDIMENT CONTROL DEVICES ARE IN PLACE THE SEDIMENT TRAP AND ITS ASSOCIATED PAVED DRIVE SHALL BE MAINTAINED AS SUCH. THE OWNER OF THE MINE OPERATION CAN BEIN AND THE OWNER OR THE OPERATOR WILL BE RESPONSIBLE FOR THE CONTINUED MAINTENANCE OF THE SEDIMENT CONTROL DEVICES IN ACCORDANCE WITH EROSION CONTROL AND SEDIMENT CONTROL PRACTICES AS MANAGED BY BERKELEY COUNTY PUBLIC WORKS AND THE SEDIMENT-CONTROL DEVICES AND RESOURCE MANAGEMENT.
- 5. CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF THE SCOT STANDARD DRAWINGS TO VERIFY CONSTRUCTION SPECIFICATIONS AND DIMENSIONS OF THE PORTION OF THE ENTRANCE ROAD WITHIN THE SCOT RIGHT OF WAY.
- 6. ANY FIELD CHANGES WITHIN SCOT RIGHT OF WAY (OR CHANGES THAT WOULD IMPACT THE SCOT RIGHT OF WAY) WILL REQUIRE WRITTEN SCOT APPROVAL PRIOR TO CHANGES BEING IMPLEMENTED IN THE FIELD.
- 7. FOR ALL WORK PERFORMED INSIDE THE SCOT RIGHT OF WAY, CONTRACTOR IS TO REFER TO DETAILS FOR SAME.
- 8. PERMANENT MAINTENANCE COVENANTS AND AS-BUILT DRAWINGS FOR MINE FACILITIES IN ACCORDANCE WITH THE MSA SPECIFICATIONS NEED TO BE RECEIVED AND ACCEPTED BEFORE THE NOT OF THE COP.

EROSION CONTROL NOTES:

- 1. IF NECESSARY SLOPES THAT EXCEED 5:1 (HORIZONTAL TO VERTICAL) FEET SHALL BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS. IN ADDITION TO HYDROSEEDING, IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMINS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- 2. STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. WITHIN 10 DAYS MORE THAN 14 DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
- 3. WHEN STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR PROHIBITIVE GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
- 4. WHEN CONSTRUCTION ACTIVITIES ON A PORTION OF THE SITE IS TEMPORARILY CEASED AND EROSION/STABILIZATION ACTIVITIES WILL BE REQUIRED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- 5. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS. IF SITE INSPECTIONS REVEAL THAT DEVICES ARE DAMAGED OR ARE NOT FUNCTIONING PROPERLY, MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICAL OR AS REASONABLY POSSIBLE AND BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE.
- 6. EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OTHER SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS FULLY STABILIZED.
- 7. THE CONTRACTOR SHALL TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD (ONTO PAVED ROADWAYS) FROM CONSTRUCTION AREAS AND THE WORK AREAS. IF MUD IS TRACKED ONTO PAVED ROADWAYS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING THE ROADWAYS AS SOON AS PRACTICAL.
- 8. TEMPORARY DIVERSION BERMINS AND/OR OTHERS WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPLAND RUNOFF AND/OR DIVERT SEDIMENT/LOADS WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- 9. ALL MATERS OF THE STATE (FEDERAL) INSPECTION BERMINS SHALL BE PLACED ON OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE SHALL BE BETWEEN THE DISTURBED AREA AND ALL WAYS. A 10-FOOT BUFFER SHALL BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND THE DISTURBED AREA.
- 10. LITTER, CONSTRUCTION DEBRIS, OIL, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FREELY TREATED WOOD) SHALL BE STORED IN A MANNER THAT PREVENTS THEM FROM BEING WASHED INTO THE WATERWAY. LITTER SHALL BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORMWATER DISCHARGES.

MINE NOTES:

- 1. THE MINE SITE WILL BE IN OPERATION FOR UP TO 7 YEARS INCLUDING THE RECLAMATION PORTION OF THE PROJECT.
- 2. THE MINE OPERATOR SHALL PERIODICALLY WET DOWN MINE SLOPES WITHIN THE SITE AS WELL AS OUTSIDE OF THE SITE CAUSED BY MINING ACTIVITIES AND/OR PROVIDE A STABILIZED ROADWAY. THE OPERATOR SHALL SET A SPEED LIMIT NOT TO EXCEED 10 MPH WITHIN THE SITE TO HELP CONTROL DUST MIGRATION.
- 3. MINE OPERATIONS MUST COMPLY WITH BERKELEY COUNTY MINE OPERATIONS AND OPERATION REGULATIONS MUST BE OBSERVED AT ALL TIMES.
- 4. MINE OPERATIONS MUST COMPLY WITH BERKELEY COUNTY MINE OPERATIONS AND OPERATION REGULATIONS MUST BE OBSERVED AT ALL TIMES.
- 5. TRUCKS WILL BE ENTERING AND EXITING THE PIT FROM SC HWY 41 AT THE TRAIL TRAIL NEAR THE INTERSECTION OF CHARITY CHURCH ROAD AND HWY 41. THERE IS NO THRU TRAFFIC ALLOWED (PLEASE SEE SIGN).

UTILITY LOCATE NOTES:

- 1. THE CONTRACTOR SHALL CALL 811 FOR A UTILITY LOCATE A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY CLEARING AND/OR LAND DISTURBANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE UTILITIES LOCATED AND MAINTAIN THE LOCATE TICKET UNTIL ALL WORK HAS SUSTAINED ON SITE. UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT WHAT WAS LOCATED AT THE TIME OF THE SURVEY.

AREA SUMMARY		
TOTAL AFFECTED AREA	40.54	AC
BUFFER AREA	101.32	AC
TOTAL PERMITTED AREA	141.86	AC

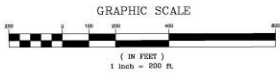


ALL ITEMS IN SECTION 100 OF THE CURRENT ARMS MANUAL FOR BOTH CONSTRUCTION AND POST-CONSTRUCTION DESIGN HAVE BEEN STUDIED AND ADDRESSSED. ALL NECESSARY IMPROVEMENTS HAVE BEEN IMPLEMENTED FOR BOTH PHASES (CONSTRUCTION AND POST-CONSTRUCTION) TO AVOID NEGATIVELY IMPACTING IMPAIRED WATERS OF THE SCOT SYSTEM AND/OR ITS DISCHARGES.

11. PROVIDE WRITTEN PROOF THAT ALL OFF-SITE EASEMENTS HAVE BEEN OBTAINED.



EMERGENCY CONTACT SIGN
SIGN NOTES:
1) SIGN CAN NOT EXCEED AN AREA OF 4' X 4'.
2) ALL LETTERING ON THE SIGN MUST BE REDUCED-HEIGHT AND A MINIMUM OF 4 INCHES IN HEIGHT.



LOWCOUNTRY
LAND DEVELOPMENT CONSULTANTS
CIVIL ENGINEERS • PLANNERS • SURVEYORS • SCIENTISTS

BLISSING INVESTMENTS, LLC
1000 CLEMENS ROAD
CHARITY, WV 26036
DONKAM SAND MINES
INDIVIDUAL PERMIT

DONKAM SAND MINES
CHARITY CHURCH RD.
BERKELEY COUNTY
TMS 248-00-03-085, 109 & 114
& A PORTION OF 114

SHT-NO

Proposed Mining Process

- Clearing of trees and vegetation
- Topsoil removed and stockpiled
- Mine area developed and mined
- No further processing of sand onsite
- 30-foot mine depth
- 7 year anticipated mine life



Example of an active sand mine

Reclamation

Reclamation is the planned process for restoring the affected land to a useful purpose while protecting natural resources of the surrounding area.

- Reclamation plan included in application
 - Reclaimed to ponds and grasslands
 - Land sloped and graded
 - Topsoil used to enhance vegetation
 - Reclamation bond in place to ensure performance



Example of a reclaimed sand mine

Mine Permitting Timeline

November 1, 2017	Mine application received
March 12, 2020	Public Notice Initiated
September 1, 2020	Public meeting
September 16, 2020	Public comment period closes

Next Steps

- DHEC will review all comments received
- DHEC will make a final permitting decision and provide notification and a written response to all comments to everyone on **DHEC's mailing list**
- Final decision date begins 15-day appeal period

Other DHEC Permits

- **Office of Ocean and Coastal Resource Management (OCRM)**
 - June 2, 2020 - *Coastal Zone Consistency Determination*
- **Bureau of Water**
 - June 1, 2020 - *National Pollution Discharge Elimination System (NPDES) general permit for discharges associated with non-metal mineral mining*

How to Comment

Submit comments by mail or email through

September 16, 2020 to:

Haley Smarr
DHEC/BLWM
2600 Bull Street
Columbia, SC 29201
smarrha@dhec.sc.gov

Additional information can be found at:

www.scdhec.gov/DonmarMine

DHEC Contacts

Central office

Mining and Reclamation
Section

Attn: **Haley Smarr**

2600 Bull St.

Columbia, SC 29201

(803) 898-3887

smarrha@dhec.sc.gov

Local office

Lowcountry EA Charleston
Office

Attn: **Jonathan Summa**

Nicholas Green

(843) 953-0150

summajt@dhec.sc.gov

greenr@dhec.sc.gov

www.scdhec.gov/DonmarMine

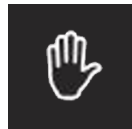
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- ✓ At the end of the presentation, we will unmute and call upon those who signed up to speak.
- ✓ This virtual meeting will be recorded and posted on our webpage.

Questions & Answers



Turn off your camera until your turn to speak



Click the Hand Raise icon to be called on to speak



Unmute to indicate you would like to be called on to speak
(everyone in the meeting can hear you)



Muted (no one in the meeting can hear you)



Call in option

Phone number: 1 864-558-7311 | Access Code: 429 077 471#

DHEC Staff

Bureau of Land & Waste Management Division of Mining & Solid Waste Management

Juli Blalock Assistant Bureau Chief

Joe Koon Section Manager

Bureau of Water Industrial Wastewater Permitting Section

Brett Caswell Environmental Engineer

Bureau of Environmental Health Services Charleston Office

Wendy Boswell Area Director

Jonathan Summa Environmental Health Manager